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CPY - SNOW

DC - B04

FS - CPI

IC - A61K31/71 ; A61K35/78 ; C08B37/00

MC - B04-C02 B12-H03

M1 - [01] K0 L8 L811 L814 L815 L816 L818 M423 M710 M903 N134 P814 V406 V735

PA - (SNOW ) SNOW BRAND MILK PROD CO LTD

PN - JP59011302 A 19840120 DW198409 005pp

JP3063561B-B 19911001 DW199143 000pp

PR - JP19820120819 19820712

XA - C1984-022216

XIC - A61K-031/71 ; A61K-035/78 ; C08B-037/00

AB - J59011302 The polysaccharide has the following physicochemical properties: (a) average mol.wt.: about 500,000, (b) sugar components: xylose (36.4 w/w%), arabinose (34.4 w/w%), glucose 17.6 w/w%), uronic acid (7.4 w/w%), galactose (4.1 w/w%), mannose (trace), (c) specific optical rotation: (alpha)<sub>D</sub>24D-97.5 deg., (d) IR absorption spectrum: 900, 1650 cm. power (-1), (e) solubility: soluble in water and alkaline soln.; insoluble in acetone, benzene, alcohol, aq. alcohol and chloroform, (f) colour reaction: positive to aniline-phthalic acid, ammonia-silver nitrate, and ninhydrin, (g) nature: neutral, and (h) appearance: white or pale brown powder, tasteless and odourless.

The compsn. can be administered orally in the form of tablets, powders, granules or solns. at daily dose of 50-100 mg/kg. The polysaccharide can be obtd. by extracting bran of Coix Ma-yeun Roman. The bran is treated with an organic solvent (e.g. n-hexane) to give a skimmed bran. Then, the skimmed bran is treated with an enzyme (e.g. glycoamylase) and filtered. The residue is dissolved in 0.5 N alkali soln. and neutralised. After removal of the pptd. protein by centrifuge, the supernatant is dialysed and the desired polysaccharide is pptd. upon addn. of ethanol.(0/0)

IW - POLYSACCHARIDE COIX ROMAN USEFUL TREAT HYPERLIPAEMIA ARTERIOSCLEROSIS

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NC - 001

OPD - 1982-07-12

ORD - 1984-01-20

PAW - (SNOW ) SNOW BRAND MILK PROD CO LTD

TI - Polysaccharide from Coix Ma-yuen roman - useful for treatment of hyperlipaemia and arteriosclerosis

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